

CLAIMS:

1. A method of handling fonts in a recorder for interactive television, wherein said fonts are stored on a recordable storage medium, said fonts being part of interactive television applications, said applications comprising at least an application program and at least a font, said method comprising the step of

5 storing said downloaded font separate from the application on said recordable storage medium, whereby each font is only stored once on said recordable storage medium.

2. A method according to claim 1, wherein said applications comprise application modules comprising application programs and fonts.

3. A method according to claim 1 or 2, wherein said downloaded font is stored in a font library.

4. A method according to claims 1 to 3, further comprising the steps of
15 parsing said application for included font data indicating at least one font required for running said application,
separating said application and said font from the download stream,
storing said font data and said font as a new font in said font library, in case the font is not already stored in said font library,
20 disregarding the font in the other case, and
storing the application module without the font on the storage medium.

5. A method according to claims 1 to 4, wherein said font library comprises individual files.

6. A method according to claim 5, wherein said font library consists of a single file.

7. A method according to any of the preceding claims, wherein said font library is indexed by a font index preferably comprising data on font language, font name, font type, font library size and font location information of the fonts in said font library.

5 8. A method according to claim 1, further comprising the step of recording all fonts indicated in a fontindex file of an iTV broadcast, except for those fonts already stored on said storage medium.

9. A method according to any of the preceding claims, wherein the recordable
10 storage medium is a removable storage medium.

10. A method according to claim 7, wherein the removable storage medium is an optical disc.

15 11. A method according to any of the preceding claims, wherein said interactive television is MHP, OpenTV or DASE.

12. A method according to any of the preceding claims, wherein the font is Chinese.
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13. A method according to claim 4, wherein said font data stored in said font library comprises information on the path location or sequential location of said required font in said font library.

25 14. A method according to claim 4, wherein said font data stored in said font library comprises information on the name of said required font enabling locating of font required for running an application program.

30 15. A method according to claims 1 to 3, further comprising the steps of parsing said application for included font data indicating at least one font required for running said application,
separating said application and said font from the download stream,
storing said font data and said font as a new font in said font library, in case the font is not already stored in said font library,

replacing the font already stored in the font library by the font separated from the download stream in the other case, and
storing the application module without the font on the storage medium.

5 16. A method of handling fonts in a playback-recorder for recorded storage media, said media comprising interactive television to be played back, said fonts being stored in a font library on said recordable storage media, and said fonts being part of a recorded interactive television application, comprising the steps of

indicating which fonts in said font library are required for playback of said
10 application from said storage media,

merging said required fonts with an application being stored on said storage media for running said application.

17. An apparatus for recording and/or playing back interactive television, said
15 apparatus being adapted to record and playback interactive television to and from a storage medium respectively, said apparatus comprising

a font handling device, said font handling device being adapted for said
apparatus, wherein fonts being part of downloaded interactive television applications are in
use of said device being stored on said recordable storage medium, and wherein said fonts are
20 stored separate from the application on said recordable storage medium, and whereby each
font is only stored in one copy.

18. A computer readable medium having embodied thereon a computer program
for processing by a computer, the computer program comprising:

25 a code segment for storing downloaded fonts from interactive television
applications on a storage medium, wherein said code segment instructs said computer to store
only one copy of different fonts in said font library.

19. Use of the method according to claim 1.

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20. A storage medium for interactive television comprising
at least two interactive television applications recorded on said storage
medium, said applications being stored separate from fonts needed for running said
applications, and

at least two of said interactive television applications using the same font,
whereby not more than one copy of each font is stored on said storage
medium.